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Associated Students of the Montana School of Mines

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AMPLIFIER

VOL. IV, NO. 3

Published by the Associated Students of
the Montana School of Mines

NOVEMBER 26, 1957



CHEER LEADERS From left to right: Gwen Christenot, Billie Todd, Suzan Dunlap, Julie Dwyer, Judy McVey, Jackie Trythall.

MSM COUNCIL APPOINTS CHEERLEADERS

On October 29 the Student Council of Montana School of Mines appointed six coeds to serve as cheerleaders for the football and basketball seasons of 1957-58. These girls are Gwen Christenot, Billie Todd, Suzan Dunlap, Julie Dwyer, Judy McVey, and Jacquie Trythall. All are freshmen; Billie, Suzan, Judy, and Julie are taking the general course, while Gwen and Jacquie are studying engineering.

With scarcely a week to practice, the girls led cheers for the first time at the Picnic-Pep Rally on November 2. They performed at their first football game on November 3 at the Mines-Western game played in Butte, and will be on hand at the opening basketball game of the season, when the Orediggers play Western, December 12, in Dillon.

For their first two appearances, the cheerleaders wore sweaters which were loaned to them through the generosity of the Copper Guards. The girls hope to have their own cheerleading costumes for the basketball games and are sponsoring a candy sale Wednesday, November 27, to help raise funds for this project.

Groff Conference Speaker

Sidney L. Groff, Head of the Ground-Water Branch of the Montana Bureau of Mines and Geology, Butte, was a guest speaker at the conference of the Water Works, Sewerage Works, Industrial Waste Operators and Managers held in Bozeman, November 20-22.

Mr. Groff discussed "Ground Water Geology" on November 20 at 3:00 P. M.

The conference was sponsored by the Montana Section of the American Water Works Association, Montana Sewerage Works, and Industrial Wastes Association and the Montana Municipal League.

Cobb Foundation Establishes Scholarship

Montana School of Mines recently received a check for \$100.00 from the Cobb Foundation of Great Falls, Montana, as a contribution to its scholarship fund. Mrs. Mary L. Cobb, president of this foundation, has requested that the money be used to assist one or more needy students during this school year, and that selection of this student or these students be made by the members of the scholarship committee according to their judgment. Members of this committee include Mr. W. M. Brown, chairman, Dean D. C. McAuliffe, and Professor W. C. Laity.

WHAT IS GEOLOGY?

by Bahngrell W. Brown

Geology is a part of the science of the universe, cosmology; it is that part which deals with the material, structure, history, and all of the details of constitution, construction and genesis of one of the planets—Earth.

In its broadest sense, geology is the science of the earth and all that pertains to it. The study is carried out by the inhabitants of this planet who are themselves a part of it. Man's ability to live successfully on earth may in a large part be ultimately determined by his success in the study of geology. And it may be truly said that anything geological is now affecting and will long continue to affect the destiny of the human race.

Geology is not the search for mineral or petroleum products, although that search, which is now carried on and must continue to be carried on at an ever-accelerated pace, widely utilizes the data of geology. Geologic science seeks to unravel the mystery of nature, and the geologist seeks first of all to gain insight into nature and her mysteries. In his mind's eye he holds a dim vision of the beginning of things and there parades before his vision the vague events which have developed this planet, its continents and oceans, and which have evolved its life on land, sea, and in the air. In his vision he may see unclearly a picture of the nature and arrangement of rocks at depths to which the drill may never penetrate or the mine shaft scarcely hope to reach.

These fleeting visions which the geologist has concerning the earth are not just fantasy. They are based on every fact he can piece together. They are based primarily on careful observations concerning the earth and earth processes, and on the somewhat detailed (though inadequate) surface mapping of the earth and the very fragmentary information about the subsurface that may be partially revealed in mines, drill-holes, and deep canyons. The geologist's vision is admittedly an imperfect one. "The world is a poor affair if it does not contain matter for investigation for the whole world in every age." (Seneca.)

The usefulness of this imperfect knowledge of the geologist is becoming increasingly apparent as more and more geological services are demanded by government and industry. If we were to list all the fields of geologic study we would have to touch on every known scientific discipline, including mathematics, physics, chemistry, and biology. If we were to list the modes of possible geologic employment we would soon exhaust this paper. Wherever man deals with the earth itself or any part of the earth the need for the geologist should be self-evident. He may be engaged in investigations of metallic and non-metallic mineral deposits; in ground-water investigations for the farmer or for industry; in petrographic studies of the composition of rocks; in paleontological and stratigraphic researches, especially in broad correlations of geologic formations to establish evidence of the ever-changing story of the past; in problems of military geology, including studies of permafrost, and highway and airfield sites; in engineering studies of channels, reservoirs, and flood plains. The role of the geologist in engineering practice has accelerated in the last decade. He is now the recognized expert in the matter of site selection for dams, tunnels, aqueducts, highways and bridges. Construction companies and government agencies look to the geologist now for advice concerning the strength of and sources for natural construction materials. The thousands of disasters involving landslides, earthquakes, volcanos, droughts and floods, and the failures of dams, roads, bridges and railroad construction will emphasize the one still unrecognized public need for geology and the geologist.

(Continued on Page 2)

Contract Awarded To Cahill-Mooney

President Koch went to Helena Thursday, November 7, to be present in the office of the State Board of Examiners at the State Capitol Building for the opening of bids covering the complete finishing of the second floor of the Petroleum Building and the remodeling work in the basement of Main Hall.

The Board of Examiners accepted the bid of the Cahill-Mooney Construction Company covering completion of the physics portion of the top floor of the Petroleum Building and the remodeling work in the basement of Main Hall. Funds were not available to complete the petroleum section of this building at the present time.

Mines Mineral Collection Is One of World's Finest

COLLECTION VALUED AT OVER \$200,000

The School of Mines Museum consists of geological exhibits containing minerals arranged according to chemical composition (Dana Classification), minerals according to ores of metals, natural crystals according to crystal systems with wooden models accompanying the natural forms, and an interesting collection of meteorites. Here also are a paleontological collection, a petrologic collection, and a structural collection showing folds, faults, and joints. Another room is devoted to large geological and mine models.

The museum was first situated in the north wing of the top floor of Main Hall. It was later moved to what is now the typing room in the basement of Main Hall. Then, in 1940, the mineral collections were moved to the Library and Museum Building.

The upper floor of the Library and Museum Building is devoted to museum exhibits which will be found on both the main floors and the galleries. The exhibits have been arranged with a view to the interest of the non-technical public as well as of the student.

One of the larger collections of minerals in the museum is the Charles H. Gallagher collection, which was first loaned to the museum and then donated to it. This collection consists of approximately 2,000 choice specimens from all parts of the world. The donors desire that the collection may serve to instruct the students in the various types of mineral occurrences.

The next largest collection is the William A. Clark III Collection which was received as a bequest under the terms of the will of the late William A. Clark III. The collection consists of about 1,000 rare and beautiful specimens. The value of this collection may be conservatively set at \$50,000.

Another large collection is the George Fowler Collection. George Fowler graduated from the School of Mines in 1912. The Collection consists of minerals from the tri-state district which is Kansas, Oklahoma, and Missouri.

But the largest collection of all was acquired this last year. It is the Howard and Janie Estey Collection, consisting of 5,000 specimens of Butte minerals. It was acquired by purchase.

There are many smaller donations in the museum too.

The museum also contains a dark room, where fluorescent minerals are displayed, and a safe, which contains many gold, silver, and gem specimens. There is one emerald in the safe that is appraised at \$5,000.

The complete collections of specimens in the museum is valued at several hundred thousand dollars.

The museum is now in the process of being reorganized and the work will be completed sometime this winter.

Mineral Dressing Department To Get Stamp Mill

The Mineral Dressing department was notified that it will receive a new stamp mill in the near future, Professor McGlashan disclosed. The mill is a gift from the Reynolds Metals Company. Little is known about the size and specifications of the mill, but it is presumed to be an improvement over old models.

COMING EVENTS

- Dec. 9—Graduate Seminar, Willis Johns, "Tidal Wave District."
- Dec. 11—8:00 P. M. Student Wives meeting in Coed Room.
- Dec. 12—Basketball: Western, there.
- Dec. 13—Christmas Dance, sponsored by Coed Club, Museum Hall, 9:00 P. M.
- Dec. 14—Basketball, Western, here.
- Dec. 16—Graduate Seminar, Eugene Sieminski, "Trapps of the Newark Series."
- Dec. 21—Christmas recess begins.
- Jan. 6—Christmas recess ends.

LITTLE MAN ON CAMPUS



"WHY NOT SPREAD OUT, BOYS? NO NEED FOR ALL OF YOU TO FLUNK."

The Amplifier

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McKEE PRINT.

EDITORIAL

Instead of an editorial
I will tell you how to solve all your problems.
Forget your troubles and start each day by looking
Out the window
And saying
Today will almost certainly be better than yesterday
Since it couldn't be much worse
Even if it snows.
The next step is to smile at everyone you see
So they will think you are a good fellow
And not speak badly of you
Just because you can't afford a shirt.
If you are broke, don't worry
At least you aren't billions of dollars in debt
Like the U. S. Government
And Joe Louis.
If you are behind in your studies, don't worry
Sputnik may make your present courses obsolete
It may even make you obsolete
Unless your name is Laika.
(If your name is Laika, you do have a problem!)
If you sometimes fear for your sanity, don't worry
These padded cells are pretty comfortable
And they show movies every Sunday.

Alumnus Attends Metallurgical Congress

Dr. Earl C. Roberts, former head of the Metallurgy Department at MSM and now a member of the University of Washington faculty in Seattle, recently attended the second World Metallurgical Congress in Chicago. Dr. Roberts presented a paper at the congress.
Dr. Roberts was graduated from the School of Mines with a bachelor of science degree in 1943 and received his doctorate from the Massachusetts Institute of Technology.

English Council Elects McBride President

Professor Louise L. McBride was elected president of the English Council of the Greater University at a Bozeman meeting held November 8 and 9.
In the University system, the English Council is a council of long standing, meeting yearly for a discussion of mutual problems. At this meeting the question before the group was the improvement in standards for the certification of high school English teachers.
All six units of the University system, plus Rocky Mountain and Carroll College, were represented at the Bozeman meeting. In attendance from the Montana School of Mines were Professors W. C. Laity, head of the Department of Humanities; J. H. Albertson, secretary appointee; L. L. McBride, president-elect; and D. E. Pinckney.

Newman Club Meets

The first and organizational meeting of the Montana School of Mines Newman Club was held November 18. Meetings will continue to be conducted every Monday evening for an hour, announced the Reverend Byrne, moderator of the club. He also announced that the group will study *Moral Guidance*, a textbook in principles of conduct for students at colleges and universities by Edwin F. Healy, Father Byrne, S. J. is assistant at the Immaculate Conception Parish in Butte.

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HI!! FI

Located in the Library-Museum Building is a Hi-Fi record player and records, presented to M.S.M. by the Butte Rotary Club in memory of Tom J. Davis.

Presented in 1955, the machine is a put-together or custom model. Having 45 and 33 rpm. adjustable speeds, it is good from 100 to 15,000 cycles. This machine has a Gray reproduction arm, Vogen Amplifier with a three-way system, and Reco-cut timetable with a Pickering cartridge.

There are over sixty records in the collection, ranging from symphonies to jazz, from Beethoven to Goodman. Included are records for almost every taste in music.

Any student desiring to play the Hi-Fi set may do so any week day that the library is opened. The student may use his own records or choose from those on hand in the library. When using the school records the student must ask for the key to the set and sign a card, which makes him responsible for the set and the records. Students having access to approved types of Hi-Fi playing equipment at home may charge out one album or two single discs for three days, weekends—Friday to Monday, with no renewal. An overdue fine of ten cents a day is charged.

For all those not acquainted with Hi-Fi, there are mimeographed copies of detailed instructions. These instructions may be obtained in either the library or the museum.

Mrs. Peck, the school librarian, urges the students using the Hi-Fi to follow directions, and to exercise care in the handling and use of the records.

COED NEWS

A second Coed Mixer, held November 23 in the coffee shop, helped raise funds for cheer-leading outfits. Coffee and cookies were served. The cheer leaders plan to wear the new outfits at the first basketball game played in town.

Maribeth Sullivan, Coed Club president, disclosed some of the plans underway for the annual Coed dance. She said it will be a Christmas formal on December 13. Decoration committee members are Sandy McGonigle, Jacquie Trythall, Suzanne Dunlap, and Maribeth Sullivan.

Gwen Cristenot, Jan Sullivan, Dolly McCallum, and Judy McVey comprise the advertising committee. Members of the program committee are Jeannie Gardiner, Helen Duke, and Julie Dwyer.

LETTERS TO THE EDITOR

To the editors of the Amplifier and the business manager:

Congratulations on the rag!

It is wonderful and gives us some college atmosphere.

But!

Where are the six-inch column advertisements by the following institutions which greatly profit from this school:

1. U & I Bar.
2. The Anaconda Company.
3. The Cook and Messhall Worker's Local No. XXX.
4. The Finlen Hotel.
5. Winston (They taste good).
6. Butte Teacher's Union (We use their product).

A. Nony Mouse

(In answer to your question: The U & I Bar would gladly take an ad, but the present policy of the AMPLIFIER forbids ads from bars. The Anaconda Company cannot afford even a small ad, the price of copper being what it is. The Cook and Messhall Worker's Local No. XXX does not need an ad—they are unionized. The Finlen Hotel said NO. Winston is a national ad and may appear in our paper soon, we hope. We do not use a product of the Butte Teacher's Union. The product, I mean, the teachers we use, rather, the teachers who work here are products of no union. What I am trying to say is, that the members who teach here are unions of products not teaching, that is, we teach only ads that are erroneously misnamed unions for the School's products of Butte, and how come you used a phony name on your letter anyhow?)—ED.

Try Our Tasty Baked Ham Sandwiches WHITE SWAN

3220 Harrison Ave.

TAYLOR'S

39 West Park Street
SHOES
For The Entire Family



Note The Ivy League Suit!

What Is Geology?

(Continued from Page 1)

Primarily, however, the geologist will be employed (insofar as we can predict the near future from an extrapolation of the present) by industries searching for raw materials in the earth's crust. The petroleum industry will (as it now does) employ most of the world's geologists. Over 20,000 American geologists are engaged in the world's greatest treasure hunt, seeking to fulfill the ever-increasing demands of a materials-hungry civilization.

If you are thinking about a possible career in geology and are the least bit concerned about the future of the profession, just consider for a moment how much the passage of time favors the geologist's career. The magnitude of the petroleum products that are consumed every day would more than insure the employment of thousands of geologists. Each new gallon of oil is more difficult to find than the one it is replacing and more geological knowledge will be required to find the new gallon than was used to find the one already burned up. The petroleum industry has a one crop harvest which it must produce.

One hundred and fifty-seven years ago geology was not taught in America. Today there are over 20,000 trained geologists serving government and industry. Geology is a very young science. Two

hundred and fifty-seven years ago the word geology was unknown and the science of geology did not exist.

Geology is a rapidly progressing science. It is perhaps, the most rapidly growing discipline today. It is difficult to predict what geologists may be doing tomorrow. Today we are engaged in the greatest treasure hunt. The geologist is the chief plunderer of "Our Plundered Planet." As the wastage of our priceless heritage of the means for the "good life" becomes more evident, the geologist will necessarily change his present role and may become the chief conservationist of tomorrow. His laboratory is the earth itself. Working in his laboratory he knows as no other scientist that with increasing problems involving the supply of metals, energy fuels, and life-giving water, the destiny of humanity is uncertain.

Geology is a part of the universal science, cosmology. It is the part that should most concern mankind since it is domestic. If we fail to appreciate geology, man may be forced to emigrate from earth, in which event, the other branch of cosmology, astronomy, may become the most important science.

(Editor's Note: This is the first in a series of articles to acquaint undergraduates with the sciences taught by the major degree granting departments of the Montana School of Mines.)

Faulty Women's Club Entertains Co-Eds And Student Wives

Members of the Faculty Women's Club of the Montana School of Mines were hostesses to the student wives, the coeds, and the mothers of the coeds, Monday evening, November 4, in the Museum Hall.

Following mixer games, Mr. C. Owen Smithers entertained the group with a showing of some of his unique and valuable collection of photographs and drawings from Montana's early days. Many of the drawings shown were original illustrations used in publications of more than a century ago, before photography was in general use. With the showing of each picture, Mr. Smithers gave a bit of history and also told what modern landmark stands near each site shown. Of particular interest were the photographs of the Butte area, showing buildings and mines long since swallowed by the growth of the city.

Refreshments were served at tables artistically decorated with brilliantly colored autumn leaves and candles. A centerpiece of mums carried out the autumn theme at the serving table, where Mrs. E. G. Koch and Mrs. K. S. Stout poured. Mrs. John McCaslin and Mrs. Charles Haynes were in charge of arrangements. They were assisted by Mrs. Clifford Laity, Mrs. Sidney Groff, Miss Elizabeth Satter, Mrs. Walter Scott, Mrs. Donald McGlashan, Mrs. Walter S. March, Jr., and Mrs. Kenneth McLeod.

"Where did that beautiful blonde you had last night come from?"
"I don't know. I just opened my wallet and there she was."

AROUND THE CAMPUS

1. Professor Laity whacking the thermostat.
2. Leftover hot dogs.
3. Cheerleaders practicing.
4. Fifteen MSM students visit the big "M" at 9 p. m.
5. Plans for more co-ed mixers.
6. Professor Brown constructing cells for graduate students.
7. Suzanne attends Boy's Dorm meeting.
8. Ski Club for the out-of-doors type.
9. Students cramming for mid-semester exams.

A man to be electrocuted phoned his lawyer from the death chamber. "They are about to put me in the electric chair," he said. "You are my lawyer—what do I do now?" The lawyer answered helpfully, "Don't sit down."

"Was your friend shocked over the death of his mother-in-law?"
"Shocked? He was electrocuted."

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Monday thru Friday

Smorgasbord
Every Friday

Entertainment Nightly

SKI CLUB ORGANIZED

The Ski Club held an organization meeting Thursday, November 7, in the main lounge of the dormitory. Officers were elected as follows: Gary Alexander from Mt. Vernon, Washington, president; Allan McIvor, Divide, Montana, vice-president; Judy McVey, Butte, secretary; and Jim Connell, St. Louis, Missouri, treasurer. Professor Morris I. Kaufmann is the faculty advisor.

The club will affiliate with the Butte Ski Club, a chapter of the N.S.P.A., making the Beef Trail south of Butte its home base. A program committee will arrange ski talks, movies, equipment checks, and trips to other skiing sites.

A charter will be drawn up and submitted to the club for approval by Jim Connell, Force Baney, and Lee Phillips. Meanwhile meetings will be held every other Thursday at 6:30. Dues are \$1.00 a month until the club applies to A.S.S.M. at the semester for funds.

STUDY HABITS AT MINES INVESTIGATED

Several weeks ago the Amplifier decided to do an exclusive article concerning student study habits at the School of Mines. To aid in this investigation, the Private Eye Spy Detective Agency was employed to make a preliminary investigation. The agency's report is reprinted below:

Our investigation to determine student study habits at the Montana School of Mines consisted largely of observations conducted in our best confidential detective manner.

At 8:30 P. M. on the night of November 10, 1957, Special Operative "X" approached the Residence Hall of said school and attempted to locate a student in the act of studying. After 35 minutes of diligent searching, "X" finally located a student on the second floor and by means of a ladder placed outside the window, proceeded to observe the actions of this interesting creature.

9:30 P. M.: Student enters room; clears table; selects several books from racks; places books on table; procures paper, pencil, slide rule, Coke, last year's tests, cigarettes, matches, chewing gum, and Baby Ruth candy bar. Student begins to study.

9:47 P. M.: Student appears restless, stands up, stretches, yawns, looks for reference books. Student cannot find additional books, curses, finishes Coke, looks at sexy picture on wall, leaves room to locate necessary books.

10:12 P. M.: Student returns with several books and two friends, says, "Let's get at it." Student and friends sit down, ask each other questions, smoke cigarettes, operate slide rules. Friend No. 1 suddenly thinks of a joke relating to problem under discussion; Friend No. 2 is reminded of a more hilarious joke; student tells two more. Conversation drifts to cars, jobs, girls, teachers, girls, sports, girls, and finally back to test which is to be held the following day at 8:00 A. M.

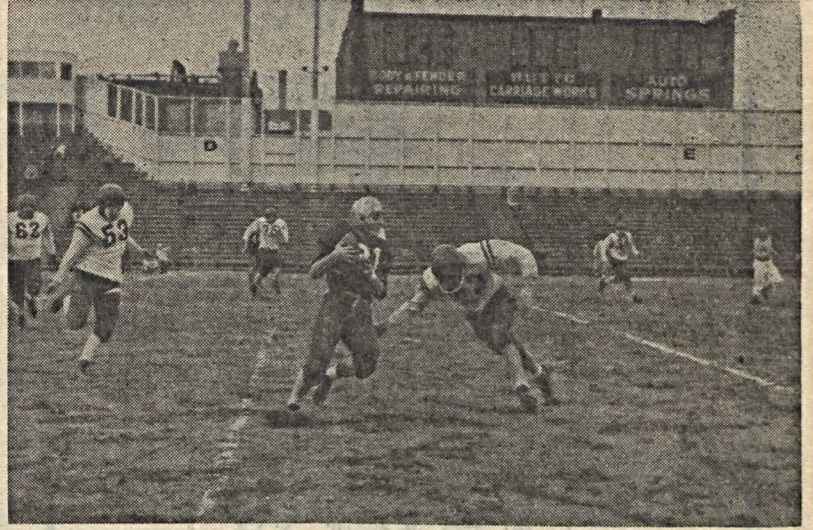
10:50 P. M.: Friend No. 2 wonders if George has worked problem number 4. (George is reputed to know all the answers.) Student believes his solution is satisfactory; Friend No. 1 disagrees; argument follows; Friend No. 2 leaves to find George. Student and Friend No. 1 continue to argue.

11:13 P. M.: Friend No. 2 returns, states that George is at Big Butte for a hamburger and will be back in half an hour. Student looks hungry; Friend No. 1 purposes that they go to Big Butte also; student declines, says, "Bring me a hamburger with pickles and mustard." Friends contend that student should accompany them; student weakens, picks up essential books, slide rule, pencil, paper, and says, "Let's go."

12:24 A. M.: Group returns from Big Butte. Student looks slightly rummy, takes two aspirin, one No-Doz, and drinks a glass of water.



An unidentified Miner dumps a Cub as Al Walkup (34) closes in. Other Orediggers are Dart Davis (75), Tom Martin (22), Barry Sullivan (4), Gary Riley (10), Duane Diekman (71), and Mike Freebourn (83).



Tom Martin stops a Cub pass-receiver. Other players are Glen Shurtz (53), Dart Davis (75), Al Walkup (34) and Bill Rowe (62).

SHOTS FROM THE CUB GAME

OREDIGGERS END SEASON IN A BLAZE . . .

A weary Miner football team, suffering from a tough season and riddled with injuries, was out-gunned and over-run by the Westminster "Parsons" in a game played November 15 in Salt Lake City. The Parsons, who defeated Carroll College 44-0, scored at every opportunity, primarily on running plays and pass interceptions.

The final score was Westminster 90, Mines 0.

Although battered and bruised, the Miners stiffened in the last quarter to squelch the hopes of last Westminster rooters for a hundred point victory. In the true western spirit, the Orediggers went down with their boots on and fought bravely to the last man. As one of the team members stated, "They were just too tough for us."

6:10 A. M.: Study is at a fever pitch. Student feels that he knows the subject matter well, Friend No. 1 isn't too sure, Friend No. 2 hopes the instructor will throw out the lowest test. Student and friends average former grades; argue about other courses; discuss curriculum, other schools, teachers, girls, cars, sports, and girls.

7:01 A. M.: Student decides to take a small nap, asks friends to wake him before they leave for the test. Friends agree, leave for breakfast. Student flops on bed without removing clothes.

7:03 A. M.: Student is sound asleep.

7:45 A. M.: Friends return, wake student. Student seems to have difficulty remembering where he is. Friends leave; student sits on bed, rubs head, yawns, struggles to rise, collapses on bed.

8:10 A. M.: Student is sound asleep.

A gentleman slipped on the stair of a subway and started to slide down to the bottom. Half-way down, he collided with a lady, knocking her down, and the two continued their way to the lower landing.

After they had reached the bottom, the lady, still dazed, continued to sit on the gentleman's chest. Looking at her, he finally said politely, "Madam, I'm sorry, but this is as far as I go."

"Did you ever take chloroform?"
"I don't know. Who teaches it?"

Statistics prove that 50 per cent of the married people in the United States are men!

Most men over 40 were toothless in ancient Egypt.

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SIMONICH REVIEWS GRID SEASON

The results of the 1957 football season at the Montana School of Mines fell short of pre-season expectations. Even though the Orediggers completed the season with no wins, there is much that can be said in favor of the team. Coach Simonich put it this way, "As far as this year is concerned, I feel the schedule was too tough for the boys who turned out for football, especially the games against the Bobkittens, the Cubs, and Westminster. Flu and injuries had a great effect on the conference games we played. As far as fighting determination on the squad, there's been no equal."

Every man on the Orediggers' team went all the way, but outstanding players were Tom Martin, Al Walkup, and Gary Riley. Martin had an average of six plus yards per carry; Walkup had a thirty-four yard punting average; and Riley completed twenty-six out of fifty-five passes for a forty-seven plus per cent completing average.

When asked about next year's season, Coach Simonich said, "Next year we're going to play a full conference schedule. If there are any openings in the schedule, we will then play the Bobkittens and the Cubs. We hope that next fall we can bring more football material to the School of Mines so that we'll be able to hold our own in conference competition."

Graduating seniors are Tom Martin, Duane Diekman, Milt Barnett, Glen Shurtz, and Bob Rowe.

WATCH FOR MAGMA ANNOUNCEMENTS!

Pictures to be taken soon



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LIBRARY LISTS NEW BOOKS

New books added to the Montana School of Mines Library have been publicized in a selected list released to faculty and students this week. The list, which is several pages in length, includes general reading, as well as specialized scientific and technical titles.

The *Hanging Tree* by Dorothy Johnson is the eye-catcher in the fiction list. Miss Johnson's collection of nine short stories and a novelette on the western gold rush days is of special regional significance. One of the tales will be filmed as a moving picture, possibly in a Montana location. A biographical sketch of Miss Johnson appears in *Who's Who Among Pacific Northwest Authors*, which is also among the new books in the library.

The milestone in technical reference is the publication of the 15th and final volume of *The Encyclopedia of Chemical Technology*, which has already proved its worth as a quick reference for technical information and an up-to-date listing of useful bibliographies.

Freshmen may be slightly awed at titles like *Experimental Thermodynamics*, edited by F. D. Rossini, or *Petrographic Modal Analysis* by F. Chayes, but will feel at home with *Things Maps Don't Tell Us* by A. Lobeck, or the new edition of *Discovery of the Elements* by M. E. Weeks.

Faculty and upper classmen will find specialized publications in every subject field represented in the college curricula. The list gives a summary of recent book acquisitions, and also includes some government documents. The list has been distributed to the faculty, and copies are available to students at the library desk.

You can always spot a well-informed man. His views coincide with yours.

Back in 1906 a Stanley Steamer auto made 197 miles per hour.

From 1835 to 1837 the U. S. had no national debt.

BUTTREYS SUPER STORE

Complete Food Store

Notions and Soft Goods

Montana Institution

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Hammond & Everly Engineering Co.

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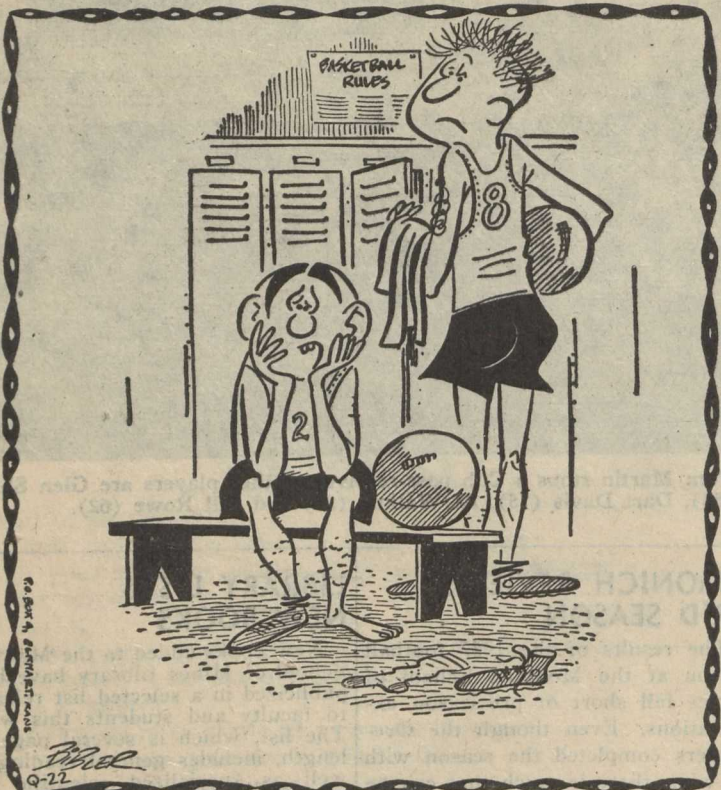
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"—SO I ASKED HIM WHY HE PUT ME ON TH' THIRD TEAM, AN' HE SAID: 'BECAUSE WE DON'T HAVE A FOURTH.'"

LIBRARY HOURS

Student and faculty use of the library will be the basis for making additions to the schedule of library hours, according to Mrs. Loretta Peck, librarian.

The Montana School of Mines library has adopted a trial schedule of Sunday library hours. The library has been open from 2:00 P. M. to 5:00 P. M. Sunday afternoon, November 17 and November 24. It will be closed December 1 as part of Thanksgiving vacation, but will be open on Sunday afternoon, December 8 and December 14, thus adding 3 hours to the regular weekly schedule of 53 hours.

These four Sundays before the mid-term and pre-Christmas examinations provide a fair test of the demand for weekend library hours.

Last spring, a survey as to when students would like to be in the library was conducted. As a result of the survey, an additional hour was added to the evening schedule four days a week, and the library was kept open Saturday and Sunday afternoons.

The extra evening hours have been continued this fall, but the weekend hours were not reinstated immediately because of other weekend activities. It is necessary to have a good representation of students studying or reading in the library in order to justify the expense of keeping the building open and providing library staff for the extra hours.

Mrs. Peck states that she is very interested in adapting the library schedule to give students every opportunity for library reading and study. She hopes for a good turnout of students during the trial period to demonstrate that the extended schedule fills a practical need.

THANKSGIVING DANCE

The Butte Jaycees are sponsoring a Thanksgiving Dance, November 28, in the Masonic Temple Ballroom, featuring Skinnay Ennis and his band. The funds raised from the dance will be used to finance the club's Christmas projects. The cost of the tickets is \$1.50 per person and the time is 9:00 P. M.

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The Youth Center and You

by John Templin

The Butte Youth Center is one of the finer places for the young people of Butte to go. The Center, under the sponsorship of the Miners Union No. 1 and the County Recreation Board, was started three years ago by Mr. and Mrs. Ed Foley. In the three years since its activation, the Center has become one of the finest in the Northwest.

A well organized group of officers and committees guide the activities. Officers this year are president, John Templin; vice-president, Sam Atizeh; secretary, Rita La Palm; and treasurer, Louie La Velle.

Mr. Foley, who is the County Recreational Director, has made many trips to visit youth organizations in other cities. Last year Mr. and Mrs. Foley took John Templin and Pat Boyer, who worked on one of the Committees, to Vancouver B. C. where the District Northwest Recreational Convention was being held. Many interesting and helpful suggestions were brought back as a result of this trip.

The Center is the scene of varied activities, and because the officers and committees in charge handle all supervision during these affairs, there is no need for police or any outside supervision. This system has not created any difficulties—in fact it has proved more successful than other methods used elsewhere.

Martin Merkle and his band are welcome figures every Friday night from 8:30 to 11:30. Many students turn out to show off their new dance steps and to enjoy the popular music.

K.O.P.R., one of the local radio stations, has recently taken an interest in the Center's activities. Two of the station's leading disc jockies, Ed Black and Rick Webb, have introduced a novelty dance which sold to over nine hundred and sixty-five youths. This Record Hop was announced over the radio and similar dances will be held twice a month on the new eighteen-hundred-dollar dance floor at the Center. During the rest of the month these two men will travel to different towns to put on their show.

The Record Hop included talking person to person with Tommy Sands in California. As the members of the Center listened over the public address system, the two disc jockies and six young ladies asked questions of the famed singer. Records were given away free and drawings were held for popular, long play, 45 record albums.

Tom Mellot, a professional square dance caller, appears every two weeks on Tuesday nights to teach square dancing.

The Lifters Club, a car organization, has been very instrumental in helping at the Youth Center functions. It has made it a practice to work hand in hand with the Center officers on such functions as the Christmas Party given annually for the under-privileged children of Butte. The Lifters help with the decorations and the planning, and then, on the night of the party, they

go to the different areas of Butte to pick up the children in their custom-modified cars.

The last few years, during the State Class AA basketball tournament, the boys in the Hot Rod Club would give any student who was in need of a ride a lift to one of the Youth Center functions, or show him around the city.

The club's largest project, however, is the drag strip near the Butte airport. Sunday afternoons, during the nicer weather, anyone may spend an enjoyable afternoon at the strip watching as boys from Butte and other cities put on a show of class and speed.

The Youth Center is a non-profit organization and its main purpose is to satisfy the needs and wants of the young people of Butte. The Center has been the scene of many talent contests with local as well as outside participants. Weightlifting, boxing, pool, skill pool, table tennis, shuffle-board, wrestling, movies, song festivals, and intermediate basketball tournaments are some of the activities which the officers and committees take great pride in presenting.

Dances to raise money for some worthwhile charities are a common occurrence. All games and activities are free except those in which the cost is too great. There is no limit to the membership, but there are certain laws in the Constitution of the Youth Center which are strictly enforced. Any violation of these laws results in a warning or forfeiture of membership according to the offense. The Center consists of seven rooms open to its members and two other rooms open only to its officers. The rooms include a dance hall, pool room, gymnasium room, athletic room, and snack bar. The storeroom and office is open to officers only. The snack bar contains stools, a television set, a radio, a phonograph, the P. A. system, soft drinks, and candy.

Monday night at 7:30 is set aside for meetings of both the Lifters and the Youth Center officers. It is at these meetings that the schedule for the week and future plans for the Center are given consideration.

The activities for girls are becoming greater each year. Last summer the Center sponsored a softball league for all girls interested. At the Center itself, Thursday nights have been set aside from 8:00 to 9:30 for girls only. Here they play table tennis, skill pool, darts, or listen to the latest platters. In the past they have had tournaments in these games, and gifts were awarded to the winners. Trophies are given to girls in the talent contests. The girls plan their own

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GEOLOGY SEMINARS SCHEDULED

November 25: Dr. Fred Earll, "Utah."

December 9: Willis John, "Tidal wave District."

December 16: Eugene Sieminski, "Trapps of the Newark Series."

Geology Seminars are held in room 200 in the Main Hall from 4:00 to 5:00 P. M. every Monday. All interested students are invited.

Interviews for December

December 3, Cerro de Pasco Co. will interview prospective graduates in the Mining, Metallurgy and Mineral Dressing Departments.

December 5, Shell Oil Company will interview prospective graduates in the Geology and Petroleum departments. In addition, a Shell Oil representative will talk to all interested students on December 4.

activities and last year had a famous hair dresser come up to the Center to show them some new hair styles.

Last year a dinner was given for the youths who participated in the Talent Show given for the patients at both Warm Springs and Galen. This program, sponsored by the Center, is always appreciated and looked upon as a treat to those connected with the two institutions.

The summer activities are some what slackened by vacations and nice weather. However, plans are being made to hold dances, both popular and square dancing, in the tennis courts and Father Sheehan's Park. One function of the Lifters Club and the Youth Center is to build a float for the annual Fourth of July parade. They have succeeded in having a float each year since they became activated. Last year the two clubs saw their float take second place. Because the building of a float takes such a great deal of time and energy, a special dinner-dance was given in honor of all those connected with building the float. Plans for holding picnics, hayrides, and other summer functions will be taken into consideration as the year progresses.

The Youth Center may easily be found on the corner of Granite and Alaska where the Youth Center's neon sign shines on nights of activities. Anyone above grade school status who is at all interested is urged to attend the different functions.

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